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DIALOG(R) File 351:DERWENT WPI

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Turbidimetric and nephelometric analysis of antigens - using antibodies coupled to globular proteins, e.g. albumin, thyroglobulin transferrin or haemo-cyanine

Patent Assignee: MERCK PATENT GMBH (MERE)

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Number of Countries: 011 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 524583	A1	19930127	EP 92112384	A	19920720	G01N-033/53	199304 B
DE 4124324	A1	19930128	DE 4124324	A	19910723	G01N-033/566	199305
CA 2074345	A	19930124	CA 2074345	A	19920721	G01N-033/542	199315
JP 5203579	A	19930810	JP 92194017	A	19920721	G01N-021/83	199336
EP 524583	B1	19980318	EP 92112384	A	19920720	G01N-033/53	199815
DE 59209232	G	19980423	DE 509232	A	19920720	G01N-033/53	199822
			EP 92112384	A	19920720		

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Cited Patents: 2.Jnl.Ref; EP 175560; EP 347138; JP 61025062; WO 8900694

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
EP 524583	A1	G	12			
Designated States (Regional): BE CH DE ES FR GB IT LI NL						
DE 4124324	A1		10			
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EP 524583	B1	G	12			
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DE 59209232	G			Based on		EP 524583

Abstract (Basic): EP 524583 A

Turbidimetric or nephelometric analysis of antigens in fluids comprises (a) coupling a polypeptide with an antibody (Ab) or fragments pref. Fab's; (b) reacting the prod. of (a) with antigens, and (c) measuring the clouding.

The polypeptide pref. is a protein of a 10,000Da and a globular protein such as albumen, thyroglobulin, transferring and haemocyanin. Also claimed is an agent for the turbidimetric or nephelometric analysis of antigens in fluids including the coupling prod. of (a).

USE/ADVANTAGE - The process allows the determination of antigens at concns. of 0.1 to above 100mg/l for the determin. of which latex agglutination had to be used in prior art methods

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Abstract (Equivalent): EP 524583 B

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Derwent Class: B04; J04; S03

International Patent Class (Main): G01N-021/83; G01N-033/53; G01N-033/542; G01N-033/566

International Patent Class (Additional): C07K-015/06; C07K-015/12;

C07K-015/28; G01N-033/543; G01N-033/563; G01N-033/68

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